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Applicati n Number 10/079,035

Filing Dat 02/19/2002

First Named Inventor RYALS

Group Art Unit 1638

Examiner Name TBA

Total Number of Pages in This Submission 9

Attorney Docket Number 21212C

ENCLOSURES (check all that apply)

☐ Fee Transmittal Form☐ Fee Attached☐ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Response to Missing Parts/ Incomplete Application☐ Response to Missing Parts under 37 CFR 1.52 or 1.53☐ Assignment Papers (for an Application)☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a Provisional Application☐ Power of Attorney, Revocation Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ After Allowance Communication to Group☐ Appeal Communication to Board of Appeals and Interferences☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☐ Other Enclosure(s) (please identify below):

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Firm or Individual name

Randee Schwartz, Attorney for Applicants, Registration No. 45,085

Signature

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CERTIFICATE OF MAILING

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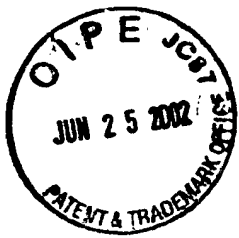
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

RYALS, et al.

Serial. No. 10/079,035

Filed: February 19, 2002

For: Gene Involving a Protein Involved in
the Signal Transduction Cascade
Leading to a Systemic Acquired
Resistance in Plants

Art Unit: 1638

Examiner: TBA

Atty Docket: 21212C

Confirmation No.: 7909

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

This Information Disclosure Statement is filed in accordance with 37 C.F.R. §§ 1.56, 1.97, and 1.98. The items listed on the enclosed Form PTO-1449 may be deemed to be pertinent to the above-identified application and are made of record to assist the Patent and Trademark Office in its examination of this application. Copies of these references may be found in parent application 09/577,799. The Examiner is respectfully requested to fully consider the items in relation to this application and to indicate that each reference was considered by returning a copy of the initialed PTO 1449 forms.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants reserve the right to dispute any of the listed documents as prior art during examination.

Further, Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application. Further, the submission of the Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other material information may exist.

In accordance with 37 CFR §1.97(b)(3), no fee is believed to be required for consideration of this Statement since it is being submitted before the mailing date of a first Office Action on the merits. If a fee is deemed to be required, the Commissioner is hereby authorized to charge such fee to Deposit Account No. 50-1744.

Respectfully submitted,



Randee Schwartz
Attorney for Applicants
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	5,986,082	11/16/99	Uknes et al.	800	279	12/12/97
	AB	5,614,395	3/25/97	Ryals et al.	435	6	1/13/94
	AC	6,031,153	2/29/00	Ryals et al.	800	279	12/23/97
	AD	6,091,004	7/18/00	Ryals et al.	800	301	6/20/97

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		DOCUMENT NUMBER	DATE	OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AC	0 534 858	3/31/93	EPO			<input type="checkbox"/>	<input type="checkbox"/>
	AD	WO 95/19443	7/20/95	PCT			<input type="checkbox"/>	<input type="checkbox"/>
	AE	WO 94/16077	7/24/94	PCT			<input type="checkbox"/>	<input type="checkbox"/>

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AF	Alexander et al., <i>Increased tolerance to two oomycete pathogens in transgenic tobacco expressing pathogenesis-related protein 1a</i> <i>Proceedings of the National Academy of Sciences</i> , Vol. 90, (1993) pp. 7327-7331
AG	Bell et al., <i>Assignment of 30 Microsatellite Loci to the Linkage Map of Arabidopsis Genomics</i> , Vol. 19, (1994) pp. 137-144
AH	Bhat, K.S., <i>Generation of a plasmid vector for deletion cloning by rapid multiple site-directed mutagenesis</i> <i>Gene</i> , Vol. 134, (1993) pp. 83-87
AI	Bi et al., <i>Hydrogen peroxide does not function downstream of salicylic acid in the induction of PR protein expression</i> <i>The Plant Journal</i> , Vol. 8(2), (1995) 235-245
AJ	Bouchez et al., <i>A new YAC library for genome mapping in Arabidopsis</i> Abstract, 6 th International Conference on Arabidopsis Research (1995)
AK	Bowie J.U. et al., <i>Deciphering the Message in Protein Sequences: Tolerance to Amino Substitutions</i> <i>Science</i> , Vol. 247 (1990) pp. 1306-1310
AL	Bowling et al., <i>A Mutation in Arabidopsis That Leads to Constitutive Expression of Systemic Acquired Resistance</i> <i>The Plant Cell</i> , Vol. 6 (1994) pp. 1845-1857

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AN	Büsches et al., <i>The Barley Mlo Gene: A Novel Control Element of Plant Pathogen Resistance</i> <i>Cell</i> , Vol. 88 (1997) pp. 695-704
AO	Cameron et al., <i>Biologically induced systemic acquired resistance in Arabidopsis thaliana</i> <i>The Plant Journal</i> , Vol. 5(5) (1994) pp. 715-725
AP	Cao et al., <i>Characterization of an Arabidopsis Mutant That Is Nonresponsive to Inducers of Systemic Acquired Resistance</i> <i>The Plant Cell</i> , Vol. 6 (1994) pp. 1583-1592
AQ	Cao et al., <i>The Arabidopsis NPR1 Gene that Controls Systemic Acquired Resistance Encodes a Novel Protein Containing Ankyrin Repeats</i> <i>Cell</i> , Vol. 88, (1997) pp. 57-63
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AT	Creusot et al., <i>The CIC library: a large insert YAC library for genome mapping in Arabidopsis thaliana</i> <i>The Plant Journal</i> , Vol. 8(5) (1995) pp. 763-770
AU	Delaney et al., <i>A Central Role of Salicylic Acid in Plant Disease Resistance</i> <i>Science</i> , Vol. 266 (1994) pp. 1247-1250
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AX	Delaney, T.P., <i>Genetic Dissection of Acquired Resistance to Disease</i> <i>Plant Physiology</i> , Vol. 113 (1997) pp. 1-12
AY	Dietrich et al., <i>Arabidopsis Mutants Simulating Disease Resistance Response</i> <i>Cell</i> , Vol. 77 (1994) pp. 565-577
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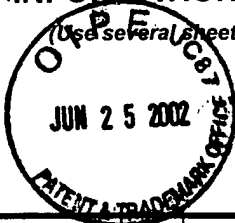
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BC	Gatz C., <i>Chemical Control of Gene Expression Annual Review Plant Physiology and Plant Molecular Biology</i> , Vol. 48 (1997) pp. 89-108
BD	Glazebrook et al., <i>Isolation of Arabidopsis Mutants With Enhanced Disease Susceptibility by Direct Screening Genetics</i> , Vol. 143 (1996) pp. 973-982
BE	Görlach et al., <i>Benzothiadiazole, a Novel Class of Inducers of Systemic Acquired Resistance, Activates Gene Expression and Disease Resistance in Wheat The Plant Cell</i> , Vol. 8 (1996) pp. 629-643
BF	Greenberg et al., <i>Programmed Cell Death in Plants: A Pathogen-Triggered Response Activated Coordinately with Multiple Defense Functions Cell</i> , Vol. 77 (1994) pp. 551-563
BG	Hebsgaard et al., <i>Splice site prediction in Arabidopsis thaliana pre-mRNA by combining local and global sequence information Nucleic Acids Research</i> , Vol. 24 (1996) pp. 3439-3452
BH	Hill, M.A., and Preiss, J. <i>Functional Analysis of Conserved Histidines in ADP-Glucose Pyrophosphorylase from Escherichia coli Biochemistry Biophysics and Research Communications</i> , Vol. 244 (1998) pp. 573-577
BI	Hunt et al., <i>Systemic Acquired Resistance Signal Transduction Critical Reviews in Plant Sciences</i> , Vol. 15 (1996) pp. 583-606
BJ	Hunt et al., <i>Recent Advances in Systemic Acquired Resistance Research – A Review Gene</i> , Vol. 179 (1996) pp. 89-95
BK	Kessmann et al., <i>Induction of Systemic Acquired Disease Resistance in Plants by Chemicals Annual Review Phytopathology</i> , Vol. 32 (1994) 439-459
BL	Lawton et al., "The Molecular Biology of Systemic Acquired Resistance", <i>Mechanisms of Plant Defense Responses</i> , B. Fritig and M. Legrand (eds.) Kluwer Academic Publishers (Netherlands) 422-432 (1993)
BM	Lawton et al., <i>Systemic Acquired Resistance in Arabidopsis Requires Salicylic Acid but Not Ethylene Molecular Plant-Microbe Interactions</i> , Vol. 8 (1995) pp. 863-870
BN	Lawton et al., <i>Benzothiadiazole induces disease resistance in Arabidopsis by activation of the systemic acquired resistance signal transduction pathway The Plant Journal</i> , Vol. 10 (1996) pp. 71-82
BO	Lazar, E. et al., <i>Transforming Growth Factor α: Mutation of Aspartic Acid 47 and Leucine 48 Results in Different Biological Activities Molecular and Cellular Biology</i> , Vol. 8 (1988), pp. 1247-1252

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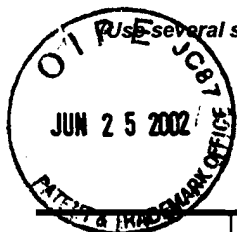
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BP	Lister et al., <i>Recombinant inbred lines for mapping RFLP and phenotypic markers in Arabidopsis thaliana</i> <i>The Plant Journal</i> , Vol. 4 (1993) pp. 745-750
BQ	Liu et al., <i>Generation of a high-quality P1 library of Arabidopsis suitable for chromosome walking</i> <i>The Plant Journal</i> , Vol. 7 (1995) pp. 351-358
BR	Maher et al., <i>Increased disease susceptibility of transgenic tobacco plants with suppressed levels of preformed phenylpropanoid products</i> <i>Proceedings of the National Academy of Sciences, USA</i> , Vol. 91 (1994) pp. 7802-7806
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BY	Parker et al., <i>Characterization of eds1, a Mutation in Arabidopsis Suppressing Resistance to Peronospora parasitica Specified by Several Different RPP Genes</i> <i>The Plant Cell</i> , Vol. 8 (1996) pp. 2033-2046
BZ	Payne et al., <i>Isolation of the genomic clone for pathogenesis-related protein 1a from Nicotiana tabacum cv. Xanthi-nc</i> <i>Plant Molecular Biology</i> , Vol. 11 (1988) pp. 89-94
CA	Rothstein et al., <i>Promoter cassettes, antibiotic-resistance genes, and vectors for plant transformation</i> <i>Gene</i> , Vol. 53, (1987) pp. 153-161.
CB	Ryals et al., <i>Signal transduction in systemic acquired resistance</i> <i>Proceedings of the National Academy of Sciences USA</i> , Vol. 92 (1995) pp. 4202-4205

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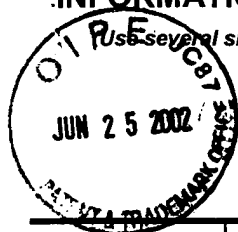
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CD	Ryals, J. et al., <i>The Arabidopsis NIM1 Protein Shows Homology to the Mammalian Transcription Factor Inhibitor IκB The Plant Cell</i> , Vol. 9 (1997) pp. 425-439
CE	Ryals, et al., Sequences, pp. 4-20
CF	Shulaev, et al., <i>Is Salicylic Acid a Translocated Signal of Systemic Acquired Resistance in Tobacco? The Plant Cell</i> , Vol. 7 (1995) pp. 1691-1701
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CL	Vernooij et al., <i>Salicylic Acid Is Not the Translocated Signal Responsible for Inducing Systemic Acquired Resistance but Is Required in Signal Transduction The Plant Cell</i> , Vol. 6 (1994) pp. 959-965
CM	Vernooij et al., <i>2,6-Dichloroisonicotinic Acid-Induced Resistance to Pathogens Without the Accumulation of Salicylic Acid Molecular Plant-Microbe Interactions</i> , Vol. 8 (1995) pp. 228-234
CN	Verwoerd et al., <i>A small-scale procedure for the rapid isolation of plant RNAs Nucleic Acids Research</i> , Vol. 17 (1989) pp. 2362
CO	Vos et al., <i>AFLP: a new technique for DNA fingerprinting Nucleic Acids Research</i> , Vol. 23 (1995) 4407-4414
CP	Ward et al., <i>Coordinate Gene Activity in Response to Agents That Induce Systemic Acquired Resistance The Plant Cell</i> , Vol. 3 (1991) pp. 1085-1094
CQ	Weymann et al., <i>Suppression and Restoration of Lesion Formation in Arabidopsis lsd Mutants The Plant Cell</i> , Vol. 7 (1995) pp. 2013-2022

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